

## Andy Fowler Goes To Paris Meeting



A. H. Fowler

A. H. Fowler, Process Analysis Department, is attending a Computer Languages Meeting this week (November 6-10) in Paris, France, sponsored by the International Standards Organization.

Fowler will participate in discussions and working session on establishing standard programming languages, particularly as applied to numerical control.

Following the meeting, he will visit engineering research installations in Germany, the Netherlands and Scotland.

## 50¢ Dividend Is Declared By Board

The board of directors of Union Carbide Corporation declared a quarterly dividend recently of fifty cents (50¢) per share on the outstanding capital stock of the corporation, payable December 1, to stockholders of record November 6, 1967. The last quarterly dividend was fifty cents paid September 1, 1967.

Payment of this quarterly dividend on December 1 will make a total of \$2 per share paid in 1967 on the outstanding shares of the corporation. In 1966, the total amount paid was also \$2 per share.

## ORNL's Schmitt Leads Physics Division Seminar

H. W. Schmitt, Oak Ridge National Laboratory's Physics Division, will lead this week's seminar. His subject will be "On Nuclear Fission at Low and Medium Excitation Energies."

The seminar is set for Friday, November 10, at 3:15 p.m. in the East Auditorium of ORNL's 4500 building.

## SAFETY SCOREBOARD

The Y-12 Plant Has  
Operated  
**38 Days Or**  
**1,120,000 Man-Hours**  
(Unofficial Estimate)  
**Through November 5**  
Without a Disabling  
Injury  
**Safety At Home**  
**At Work, At Play**

## UCC's DuBose Talks To Editing Institute

### 'Management Looks At Communicators'

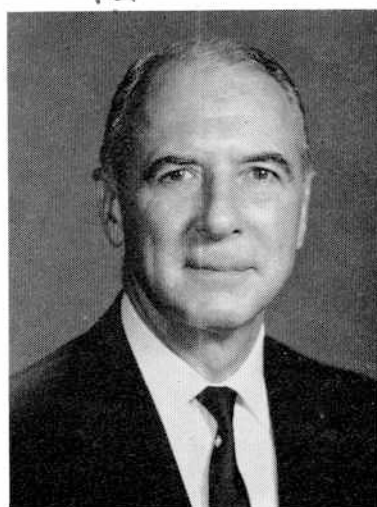
C. B. DuBose, manager-Employee Communications, from the home office of Union Carbide Corporation, spoke to local industrial editors recently. He was a guest at the Industrial Editing Institute, sponsored jointly by the University of Tennessee and the Appalachian Industrial Editors Association.

DuBose spoke on "Management Looks at Communicators," giving the editors an insight on how management looks at communicators. He jokingly began his presentation by saying that management thinks editors are "stupid, lazy, dishonest, incompetent, and untrustworthy." He pointed out that opinions other than the above must be earned by the communicators themselves. Illustrating how Union Carbide's new look in 'total communications' has launched the CARBIDE WORLD, DuBose described the corporation's changing outlook in the complex world of today's business.

"Before the World was published, nearly 65 percent of Union Carbide's employees were receiving no publication at all from their company," he pointed out.

The 31-year Carbide veteran was born in Soochow, China, the son of Presbyterian missionaries. He was graduated from Davidson College, North Carolina; and later obtained a Master's Degree in English from the University of North Carolina.

During World War II, he was in the army assigned to the Office of Strategic Services, serving most of his time in India and China.



C. B. DuBose

The two-day Editing Institute was also highlighted by speakers Charles W. Ferguson, *Reader's Digest*; and famed photographer Yale Joel, *Life Magazine*. Dean DeWitt C. Reddick, School of Communication, University of Texas; Jacob W. Wittmer, Sperry Rand, president of the American Association of Industrial Editors; Thomas A. Kindre Jr., vice president of Hill and Knowlton; Howard Downey, manager of Public Relations, Beaunit Corporation; and John A. Reagan Jr., James P. Sloan, Woodson Knight, and Harry P. Carruth, all ex-presidents of AAIE, also spoke to the business communicators.

Nuclear Division editors from this area all attended the conference, along with approximately 70 other business editors from this and surrounding areas.

## OLD HOME TOWN

The best definition we've seen lately of a small town is: Where people know what everyone else in town is doing—but read the weekly paper to learn who's been caught doing it.

## Y-12 Goes Over Top In United Fund Drive

Untabulated reports have put Y-12 well over its \$77,720 goal in the United Fund Drive. Late additions last Friday, not yet fed into the computers indicated that the plant would go well over its goal, and exceed its last year's giving by a considerable amount.

The Assembly Division also has indicated that it will go well over its goal. The Maintenance Division goes over its goal for the first time! Technical Services is another division ... 107 per cent over its goal.

Tabulated reports through November 3 showed a new high of \$77,578.24 pledged through that date (\$73,039.92 through payroll deductions). Of this amount \$43,765.77 goes to Anderson County; \$21,774.23 to Knox; \$7,969.61 to Roane; \$2,463.88 to Loudon County; and the remaining to miscellaneous United Funds.

A complete tabulation, with breakdowns will be shown in next week's Bulletin.

## Surplus Property Sale Set November 15

There's a new sealed bid sale of surplus property in the works which includes bookkeeping machines, tape punch and reader (with typewriter), duplicating machine, typewriters, stamp vending machine, calculator, sedans, trucks, tractor, pontoons and a crane—all listed in sealed bid Number UCNC-915.

These items may be inspected Monday through Friday from 8 a.m. to 3:30 p.m. in Building 9929-1, just west of Y-12. More information may be obtained from D. R. McCammon, extension 3-4601.

The bids will be opened at 2 p.m., November 15.

## WHAT IS RETIREMENT?

One of our favorite golden-agers has referred to retirement as 'twice as much husband on half as much income.'

## Honor Roll

Congratulations to the following departments who have reported 100 percent participation in the United Fund. This means every person gave. Congratulations, again!

- Maintenance Administration
- Safety Department
- Plant Records Department
- Process Analysis
- Engineering Mechanics
- Environment Control Engineering
- Electrical Engineering
- Industrial Relations Administration
- Publications
- Training Department
- Labor Relations
- Benefit Plans
- Employment
- Traffic Department
- Cashier & Travel
- Tool Procurement
- Accounting & Budget
- Development Operations
- Quality Assurance
- Wage Standards, Personnel Records
- Maintenance Administrative Services
- Material Control
- General Plant Tooling Coordination
- Management Information Systems
- Superintendents Department
- Product Information Center
- Material Procurement
- SS Control
- Production Analysis
- Quality Liaison
- SS Shipping and Warehousing
- Engineering Division Administration
- Chemistry Development
- G-3 Processing
- Recreation
- Garage
- Materials & Services Administration
- Production Scheduling
- Dispatching Department
- Technical Publications
- Specifications & Systems
- Quality Assurance Inspection
- Laboratory Operations
- Fire Prevention
- Security



OCTOBER 26 MARKED ALEX VARLAN'S entry into the "old-timers" group of Union Carbide Corporation ... 25 years of company service. Alex began his career at the Linde Air Products, Tonawanda. He transferred to this area in 1946 (K-25), and later moved to Y-12 in 1961. Above he receives his certificate from J. M. Case, Y-12 deputy superintendent, right, and is congratulated by K. W. Sommerfeld, left. Varlan is in Product Engineering.

**YOU HELP MORE  
THE UNITED WAY**



# The Bulletin

Published Weekly For The  
Y-12 Employees Of  
UNION CARBIDE  
CORPORATION



NUCLEAR DIVISION

JAMES A. YOUNG Editor

Member



Appalachian  
Industrial  
Editors'  
Association

American Association Industrial Editors

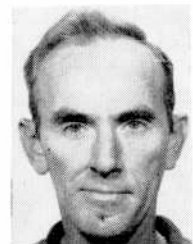
OFFICE

Post Office Box Y  
Oak Ridge, Tenn. 37830  
Bldg. 9704-2 Room C-9  
Telephone 3-7100

## Auto Crash Fatal To Wm. Stooksbury

Friends and co-workers of William Stooksbury were shocked to learn that he was in a fatal automobile accident October 24, in Tucumcari, New Mexico. Mr. and Mrs. Stooksbury were visiting their son there. Mrs. Stooksbury was seriously injured but has returned to her Lake City home.

A native of Andersonville, Mr. Stooksbury worked in Beta Four Forming. He came to Y-12 May 10, 1951, after working with the Tennessee Valley Authority, J. A. Jones, Bethlehem Steel, and the Sun Coal Company, and Southern Col-



Stooksbury

leries Coal Company nearby. The Stooksbury home is at Route 1, Lake City.

Survivors include his wife Mrs. Ruth Parrott Stooksbury; a daughter Mrs. Gail Burnette, Hammond, Indiana; sons William, in Hammond; Jerry, Chandler, Arizona; and James, with the Armed Forces in Vietnam.

Funeral services were held Sunday, October 29, at the Clinch River Baptist Church, with the Reverends George DeLozier and E. D. Vowell officiating. Interment followed in the Norris Memorial Gardens.

Sincere sympathy is extended the Stooksbury family.

## Welding Society Sets Meeting Next Tuesday

The November meeting of the Northeast Tennessee Section of the American Welding Society will be held next Tuesday, November 14, at the Holiday Inn, Oak Ridge. The meeting will begin with a social hour at 6:30 p.m., followed by dinner at 7:15 and the technical session at 8.

The speaker will be F. J. Loss who is a consultant with the Naval Research Laboratory, Washington, D. C. Loss's address is titled "An Introduction to Fracture Mechanics." All persons who are interested in the field of welding and brazing are invited to attend this and all AWS meetings.

Reservations for dinner may be made through C. R. Eichelberger, extension 3-5851.

## KNIGHTHOOD IN FLOWER

As a pretty girl entered the crowded car, a man rose to his feet.

"No, keep your seat—I insist," said the young miss.

"Insist all you wish, miss," he replied, "I get off here."

## Dollar Investment For AEC Facilities Continues High For State Of Tennessee

The Atomic Energy Commission's investment in the State of Tennessee continues to be the highest for any of the 50 states, according to the recently issued AEC 1967 Annual Financial Report.

The Commission reports that plant and equipment investment in Tennessee is almost \$1.7 billion, compared to last year's high in the state of \$1.5 billion. This investment is represented totally in the Oak Ridge area where broad programs of production, research and development, and training are carried out for the AEC.

In fiscal year 1967 AEC total costs incurred for operations and plant and capital equipment in Tennessee totaled \$220,519,000—third highest among the 50 states. The total AEC operating budget for fiscal 1967 amounted to \$2,446,524,000. Plant construction

and equipment costs were \$290,448,000.

Oak Ridge National Laboratory also continues to maintain its top ranking among the ten AEC research laboratories in terms of completed plant and equipment. As of June 30, 1967, the AEC investment total \$329,032,000 out of a total expenditure for the ten laboratories of \$1,877,210,000. The operating budget for ORNL in the past fiscal year stood at \$92,263,000 compared to \$84,877,000 in 1966.

The University of Tennessee received \$1,644,000 in FY 1967 as one of 237 colleges and universities doing atomic energy work for the Commission under contract. Outlays by the AEC for university-related work totaled \$128 million.

Other current AEC construction projects underway in Tennessee, according to the financial report, have an estimated completion cost of almost \$28 million.



'November's sky is chill and drear... November's leaf is red and sear.' Some eight Y-12ers observe important days with Union Carbide Corporation. Congratulations.

### 20 YEARS

Joseph W. Gossage, General Machine Shop, November 10.

Charles O. Johnson, Research Services, November 10.

Edward F. Smith, H-2 and F Area Shops, November 12.

Wynetta W. Patterson, Cafeteria, November 13.

### 15 YEARS

Warren C. Kitchings, Assembly Operations, November 9.

Marion Chludzinski, Mechanical Inspection, November 10.

Freeman F. Parrott, Electrical Department, November 11.

Lewis C. Watson, General Weld Shop, November 12.

Apologies to Robert W. Hayes, Gage Certification Laboratory, who celebrated 10 years with Union Carbide last week. The Bulletin called him Richard.

## Scented Kitty Leaves Calling Card In Y-12

There were no witches or black cats around Y-12 last week. But a black cat with a white stripe down its back visited the Ad Building Halloween night, and left his distinctive calling card.

East Tennesseans call him the 'polecat' from the Medieval English. Most people know him as the skunk.

Despite valiant efforts by the Maintenance Division to quench the scent, the memory lingers on.

Reminds us of the line "A rose by any other name..."

## Retiree Terry's Wife Dies In California

Friends of James C. Terry in Stores, who took an early retirement last week, were distressed to hear of Mrs. Terry's death in California.

The couple visited out there in the Spring... and Mrs. Terry became ill. The Y-12er took early retirement so that he could be with her there. She died Sunday, October 29.



**CELEBRATING HIS FIRST BIRTHDAY**, above, with Pop is Ethan Hamby... born to Newt and Eve shortly after their 25th wedding anniversary. Beta Two Shop's Hamby said they had just about dispaired of having any children... but that Ethan was well worth the waiting. We agree!

## THE DEPARTMENT OF CERAMIC ENGINEERING UNIVERSITY OF ILLINOIS

Expresses its sincere appreciation to

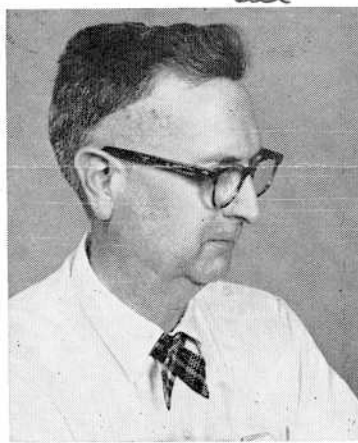
*Louis M. Doney*

in recognition of his loyal service to the Department  
and for his productive contributions as a member of the  
Ceramic Engineering Advisory Board

*W. L. Everett*  
DEAN, COLLEGE OF ENGINEERING

*L. M. Doney*  
HEAD, DEPARTMENT OF CERAMIC ENGINEERING

THE CERAMIC ENGINEERING DEPARTMENT at the University of Illinois recently recognized L. M. Doney, Chemistry Development, for his service and contributions as a member of the Ceramic Engineering Advisory Board. The scroll is seen above.



Louis M. Doney

## Doney Honored By Alma Mater

L. M. Doney, Chemistry Development, has been honored by his Alma Mater, the University of Illinois. The Department of Ceramic Engineering recently sent him a scroll, expressing their sincere appreciation in recognition of loyal service to the Department and for productive contributions as a member of the Ceramic Engineering Advisory Board.

Doney, who came to Y-12 April 30, 1951, graduated from the University of Illinois, Urbana, with a degree in engineering.

Active in the Southeastern Section of the American Ceramic Society, he was chairman in 1956; secretary from 1951 until 1954, and again from 1957 until 1960.

He was elected a Fellow in the American Ceramic Society in 1958, and elected to the Committee of Fellows in 1962.

Doney has also been active in community projects, secretary of the Lions Club at Karns, from 1961 until 1962... and president in 1962-1963.

He is also active in the Anderson County Sportsman's Club, serving as secretary from 1952 until 1954, and 1957 and 1958... and as president from 1954 until 1959.

The Doney's live at 817 Chateaugay Road, Knoxville.

## ASCET Holds Dinner Meeting Next Week

The Oak Ridge-Knoxville Chapter of the American Society of Certified Engineering Technicians will meet in a dinner meeting Friday week, November 17, at the Scottish Inn Restaurant, Clinton.

Guest speaker will be Clifford Tollefson, ASCET Southeastern Regional vice president, Nashville.

Dinner reservations, which must be in by November 13, may be made through R. E. Jurko, extension 3-4334; B. H. Montgomery, 3-7028; or T. A. King, 3-7635.

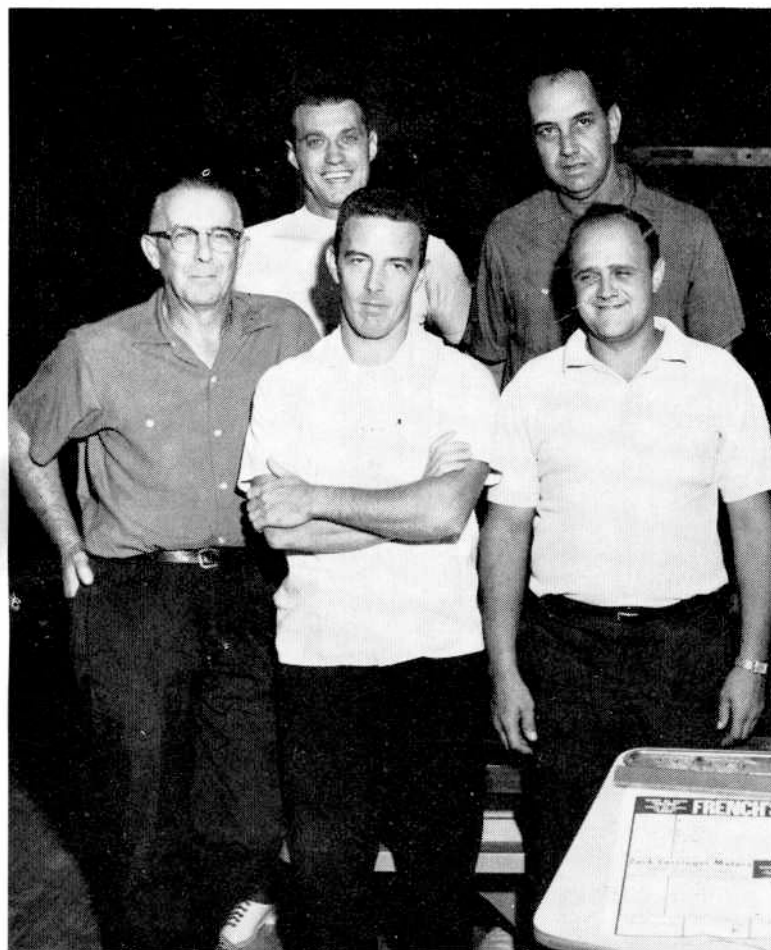
## IEEE Meet Set Tomorrow In OR

Billy P. Glass, Lamont Geological Observatory, Columbia, will speak at the Institute of Electrical and Electronic Engineers meeting tomorrow. The meeting is set for Thursday, November 9, at 7:30 p.m. in the Green Room of the Ridge Recreation Hall. Glass will speak on "Paleomagnetism, Reversals of the Earth's Magnetic Field." This concerns the earth's magnetic field reversals and how this aids in dating marine sediments and in determining the evolution of marine organisms. Glass will also discuss paleomagnetic evidence for continental drift and polar wandering.

Glass, a former Oak Ridger and son of IEEE member, Floyd Glass, is currently doing research at the Lamont Observatory. He is a 1963 graduate of the University of Tennessee, with a degree in geology. He is completing work toward a Ph.D. in marine geology with emphasis on geomagnetism.

IEEE members will find this aspect of the coming field of oceanography fascinating and stimulating. Attendants may wish to talk informally with Glass after the meeting over coffee, which will be served immediately following his presentation.





**THE BIG FIVE BATTLE** any challenger in the C Bowling League every Monday afternoon at 5:45. The Five are Ed Sise, J. Sewell and Bill Sise, front from left . . . and J. L. Smiddy and Captain Curt Ridings in the rear.

## Roy Worley Rolls Hi In Mixed Alley

Four teams moved up in Mixed Bowling last week . . . taking three-point wins from their opponents. The Rollers rolled past the Hits & Misses; the McSprays mauled the Twisters; the Alley Cats took the Roses 'N Thorns; and the Goofers gained three at the expense of the Mustangs.

Dessie Worley, Roses 'N Thorns, and Joyce Gillihan, Rollers, tied in scratch singles . . . each with 181. Dessie's 239 handicap game was high. Then Joyce returned to the boards in series highs with a 500 scratch series, 632 handicap series.

Roy Worley rolled with the Roses 'N Thorns on high singles . . . 239 scratch, 269 handicap. Bob Hagood, Goofers, put a 578 scratch series, 662 handicap series on the boards.

The Rollers rolled all the way across the boards . . . singles of 673 scratch, 833 handicap . . . series of 1806, 2286.

League standings follow:

Team	W	L
Hits & Misses	24	12
Roses 'N Thorns	20	16
McSprays	20	16
Rollers	18½	17½
Alley Cats	18	18
Goofers	18	18
Mustangs	17	19
Twisters	8½	27½

The security spotlight is on you.



"Our customers are always right, Miss Carson. Misinformed perhaps, inexact, bullheaded, fickle, even stupid, but never wrong."

## Sunflowers Eke Out C Alley Lead

The Sunflowers edged out in front in C Bowling last week, with a three-point win over the Royal Flush.

The King Pins grabbed four from the Badgers, the Big Five rolled over the Rodders, the Rollmasters romped past the Invalids, and the Rounders razed the Hi-Lifers . . . all by the big count.

The Fireballs and Parbustlers shared two.

E. V. Hawk, King Pins, lived up to his name and rolled a 247 scratch single game . . . pushed to a 268 handicap single. His series of 635 scratch, 698 handicap were highs of the season.

The Rounders rounded off singles highs with 920 scratch, 1060 handicap; while the Big Five grabbed 2608 scratch series, 3001 handicap series (another season high!)

League standings follow:

Team	W	L
Sunflowers	21	11
Fireballs	20	12
Badgers	19	13
King Pins	18	14
Big Five	17	15
Rollmasters	17	15
Royal Flush	17	15
Rounders	16	16
Rodders	14	18
HiLifers	13	19
Parbustlers	11	21
Invalids	9	23

## Camera Club Meets Tuesday, November 14

The Carbide Camera Club will meet next Tuesday, November 14, at 8 p.m. at the First Presbyterian Church, Oak Ridge. Speaker will be Biology's E. F. Oakberg who will speak on "Tips on Taking Travel Transparencies." He will illustrate his lecture with professional-type Ectochrome slides taken with a Hasselblad and processed at home.

Competition for November (entries are due in this week) is "Impressionism, Symbolism, and Surrealism." This is the first time the Camera Club has offered members a chance to show those wierdo slides and photos.

## Table Tennisers Hot In 3 Leagues

Roy Huddleston defeated league-leading Lloyd Wyatt in the X Table Tennis League last week for two sets. Bill Motley downed Herve Derrien for three . . . as did Geoff Newman over Subbu Raman. Derrien defeated Huddleston for two . . . and Herb Mook took Bill Foutz for two.

X League standings:

Player	W	L
Lloyd Wyatt	9	3
Bill Motley	10	5
Geoff Newman	8	4
Roy Huddleston	6	6
Herve Derrien	4	8
Herb Mook	4	8
Bill Foutz	1	5
Subbu Raman	0	3

Y-league action saw Al Norris down Bob Brown for three . . . and Gordon Brewer blasted Bob Coveyou for three. Fred Wetzel defeated Francois Kertesz for three . . . and Paul Kasten clinched two form Kertesz. Coveyou defeated Kertesz for two.

Ed Gambill also grasped two from Kertesz.

Y League standings:

Player	W	L
Al Norris	10	2
Gordon Brewer	10	2
Bob Coveyou	7	5
Fred Wetzel	7	5
Francois Kertesz	5	10
Bob Brown	2	10
Ed Gambill	2	1

In the Z League Bob Smith collected three sets from Joe Lewin. Lewin defeated Bill Hackett for three . . . and one in another pre-play match. Hackett took two from Hallau.

A. B. Meservey defeated Dave Allen for three.

Z League standings:

Player	W	L
Bob Smith	6	0
Joe Lewin	10	5
Bill Hackett	7	5
A. B. Meservey	5	4
Jim Hallau	3	6
Winfred Collins	2	4
Tudor Boyd	2	4
Dave Allen	2	7

## Recreation



**Sunday, November 12**  
SKEET TOURNAMENT: 1 p.m. Oak Ridge Sportsman's Association.

**Monday, November 13**  
BOWLING: 5:45 p.m., C League, Ark Lanes.

TABLE TENNIS: 7 p.m., Oak Ridge Wildcat's Den.

PHYSICAL FITNESS: (For Women) 7:30 p.m., Oak Ridge High School Girls' Gym.

**Tuesday, November 14**  
TURKEY SHOOT: 10 a.m. Oak Ridge Sportsman's Association. Sponsored by C Shift. All Y-12ers welcome.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

CAMERA CLUB: 8 p.m. First Presbyterian Church, Oak Ridge.

**Wednesday, November 15**  
CARBIDE RIFLE LEAGUE: 7 p.m., Clinton Rifle Range.

BOWLING: Mixed League, 8 p.m., Ark Lanes.

**Thursday, November 16**  
BOWLING: Classic League, 5:45 p.m., Ark Lanes.

PHYSICAL FITNESS: 7:30 p.m., Oak Ridge High School Gym.

BADMINTON: Informal Play . . . Employees and Spouses, 7:30 p.m. Jefferson Junior High School Gym.

VOLLEYBALL: Set to begin at Robertsville Junior High School. Teams should have schedules by now.

**Saturday, November 18**  
GAME NIGHT: E, F, G, H and J Shifts. 7:30 p.m. Green Room, Ridge Recreation Hall. 18 games for \$1.50. All Y-12ers welcome.

## WELL STRAPPED

Most automobiles keep their owners pretty well strapped, even without seat belts.



**THE TIGERS ARE HIGH** up in standings in the Classic Bowling League . . . with the above sterling bowlers. In the front row, from left, are Frank Tiller, captain . . . and R. D. Smith. In the rear are Bill Freels, George Baily and Jimmy Davis.

## Helton, Brown Hi Classic Keglers

Bill Helton, Smelters, and Sewell Brown, Has Beens, look as if they want to leave the Classic Bowling League and hit the 'pro circuit!' Look at their scores on the alley last week. Helton posted a 243 scratch game, 267 handicap! Brown rolled a 616 scratch series, 679 handicap!

The All Stars kept a slim lead in Classic standings with a three-point win over the Tigers . . . the only such win of the night.

Taking four it was the Has Beens over the Cubs, the Playboys past the Screwballs, the Smelters past the Bumpers, and the Eightballs over the Rippers. Winning two and one-half points, it was the Markers over the Pinbustlers . . . while the Rebels-Swingsters, Splinters-Eagles matches ended in draws.

The All Stars took singles . . . 928 scratch, 1057 handicap . . . while the Smelters sailed in with series of 2564, 2972.

Team	W	L
All Stars	25	11
Has Beens	24	12
Rebels	22	14
Swingsters	22	14
Markers	21½	14½
Playboys	21	15
Bumpers	20½	15½
Smelters	19	17
Tigers	18	18
Eightballs	18	18
Splinters	17	19
Pinbustlers	15½	20½
Cubs	13½	22½
Rippers	13	23
Eagles	11	25
Screwballs	7	29

## 'Glad' Suggestions On Storing Tools

Many small garden tools can be kept rust-free by wiping them off with an oiled rag and then wrapping them in air-tight plastic bags. Small gadgets and appliances in beach houses and weekend cottages may be protected from rust and mildew by storing in plastic bags, Union Carbide's "Glad" home service group reminds.

## CAREFUL—SCHOOL ZONE

The sign read: "School Zone—Please Don't Kill a Child." Underneath was scrawled in a childish hand . . . "No, wait for a teacher."

## Shifters Ready For Big Party

An 18-game round of fun (we still can't mention that word in print!) is set for E, F, G, H and J Shiftfolks Saturday, November 18 . . . at the Green Room of the Oak Ridge Recreation Hall. Price is only \$1.50 for the entire set.

For game nine an electric grid-dle server is set aside . . . and game 18 will feature an Instamatic color camera outfit. The rest of the games allow winners to select their own. Featured are a hi-intensity desk lamp set, a round family table, a Gormet susan, a bracelet, an electric shoe polisher, a clock radio, antique brass fire set, a 50-pc. stainless tableware set, an electric knife, a hand mixer, a portable radiant heater, an ironing table, field-glasses, a men's (?) jewel box, an Accept-A-Gift Book, and a ladies pendant watch. Also there will be a ladies dresser set, a jewel case, a game kit and portable bar, a pearl necklace, a banjo wall clock, a Coleman cap stove, an electric blanket . . . and a piece of luggage.

That's Saturday week at 7:30 p.m.

Fire regulations state that only 121 may occupy the Green Room . . . so you'd better come early. No more than that will be allowed to participate.

The shifters say all Y-12ers and their families will be made welcome.

## C Shift Plans Turkey Shoot Next Tuesday

Men on C Shift are sponsoring a turkey shoot at the Oak Ridge Sportsman's Club next Tuesday, November 14. Firing starts at 10 a.m. . . . and there's a limit of two to a person.

All Y-12ers are welcome at the shoot, C-Shiftmen say . . . so anybody that has a day off . . . come on out.

The chance-taker is the accident-maker.





**NO, THE POODLE ISN'T PART OF THE DANCE . . .** One of the troupers of the Chamber Dance Quartet went on a tour in India, and never came back to pick up her dog. The group, to appear here November 11, does Spanish, modern and traditional ballet dances.

## Unique Dance Group To Appear Locally Saturday Night At ORHS Auditorium

A unique dance group called the First Chamber Dance Quartet will perform in Oak Ridge, Saturday, November 11, at 8:15 at the Oak Ridge High School Auditorium. It marks the first appearance of a professional dance group in Oak Ridge in many years.

The season for the First Chamber Dance Quartet has been highlighted by performances in Boston, New York, Pittsburgh and Louisville. The 92 engagements in the United States alone encompass numerous appearances in colleges and universities throughout the country.

"It was gratifying to see the group attract and hold the attention of the public with its distinctive and very personal offerings. They seem to project more and more the kind of unity and complete understanding that typifies fine chamber music ensembles.

Their dancing has warmth, wit and character and is devoid of empty exhibitionism," said the New York Times.

The group will dance music by de Falla, Corelli, Vivaldi, Shostakovich, Beethoven and Telemann.

Betty Griffith, wife of William L. Griffith, is co-ticket chairman for the performance. Reserved tickets are now on sale, and may be obtained from Betty, at Oak Ridge telephone 483-4805. Tickets will also be on sale at Millers' all week, also at the box office Saturday night before the performance.

Each member of this professional ensemble is a top flight soloist in his own right. This is the group's second trans-continental tour of the United States and Canada. Debut of the Dance Quartet took place in New York in 1961.

## Specific Gravity Measuring Device

An instrument for measuring and digitally recording the specific gravity of biological samples has been developed by Oak Ridge Gaseous Diffusion Plant for Oak Ridge National Laboratory's Molecular Anatomy Program.

The manually performed specific gravity measurements require approximately 30 minutes. With the Specific Gravity Digital Recorder, the measurement can be completed in one minute.

The instrument is particularly suited for programs involving use of high speed centrifuges for separation of biological material.

Specific gravity is a measure of the density of a fluid with respect to water. If the fluid is heavier than water, it will have a specific gravity greater than one; if lighter, less than one.

After centrifugation, the sample is separated into portions, which are fractions. A measure of the specific gravity of each fraction is indicative of the kind of biological material the fraction contains.

The instrument will measure the specific gravity of liquids in the range of 0.900 to 2.100 with an accuracy of plus or minus 0.001 specific gravity units.

The complete system consists of two subassemblies; the sensing unit which measures the change in apparent weight of a plummet suspended in the fluid being measured, and a remote print-out



**Ride wanted or will join car pool from Garden Apartments, Oak Ridge, to Central Portal, straight day.** Betty Oates, plant phone 3-7739.

**Ride wanted from Shady Land Drive, West Knoxville area, to North or Central Portal, straight day.** Ann Ware, plant phone 3-5910.

**Ride wanted from Broadway Shopping Center area, Knoxville, to East Portal, straight day.** C. N. Whaley Sr., plant phone 3-5311, home phone Knoxville 525-4372.

**Ride wanted from Emory Gap, Harriman, to West or Central Portal, straight day.** R. W. Curtis, plant phone 3-7517.

**Car pool member wanted from Norwood Area, Knoxville, to Central or North Portal, straight day.** Eugene Keith, plant phone 3-5606, home phone Knoxville 689-2229.

**Ride wanted from West Hills Park, intersection Francis and Vanosdale Road, Knoxville, to North or Central Portal, straight day.** J. K. Chance, plant phone 3-5989, home phone Knoxville 584-4228.

unit which can be located some distance away from the sensing unit.

## Gallagher Rites Are Held Sunday

The Maintenance Division received the sad news last week that Frank Gallagher Jr. had died in a North Carolina Hospital.

A native of Lenoir City, Mr. Gallagher came to Y-12 March 24, 1953 after working in farming, at the East Tennessee State Hospital, at the University of Tennessee and briefly at Alcoa. He was a veteran of the U. S. Navy, serving during World War II from 1942 until 1946.



Gallagher

Survivors include his wife Mrs. Janice Harmon Gallagher; sister Mrs. Jessie G. Humphrey, Knoxville; and brothers, Clifford, Clarence and Mose Gallagher, all of Knoxville.

Funeral services were held Sunday, November 5, at 2 p.m. at the Medford Chapel, AME Zion Church, on Emory Road. Interment followed at the Pleasant Chapel Cemetery. The Reverend Franklin Maddox officiated.

Sincere sympathy is extended the Gallagher family.

## Food Products Plan Puerto Rico Plant

Union Carbide Food Products Incorporation, a subsidiary of Union Carbide Corporation, will build a \$15 million plant at Barceloneta, Puerto Rico for the production of food casings, according to an announcement from Birny Mason Jr., corporate chairman. Food casings are used by meat processors in producing sausage and other processed meats. The new plant is due to be on-stream in 1970.

President and chief executive officer of the new company will be Elio E. Tarika, who is also president of the Food Products Division of Union Carbide Corporation. The division produces and markets food casings within the continental United States. John R. Hulten, Union Carbide



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## Union Carbide's Sales, Earnings Down From 1966 Levels For Third Quarter

Union Carbide's sales and earnings during the third quarter of this year remained below 1966 levels, Birny Mason Jr., reported recently. Sales were \$545,041,000, approximately five percent below last year's third-quarter sales of \$574,143,000. Third-quarter earnings were \$37,395,000, or 61 cents a share, compared with \$56,811,000, or 94 cents a share, earned in the corresponding 1966 period.

For the first nine months, sales were \$1,601,840,000, approximately four percent below last year's nine months' sales of \$1,671,347,000. Earnings were \$124,144,000, or \$2.05 a share, compared with \$182,269,000, or \$3.02 a share, in the corresponding 1966 period.

Following is a comparison of sales by product groups for 1966 and corresponding quarters of this year:

**Sales By Product Groups**  
(Millions of Dollars)

	1966					1967		
	1st Qu.	2nd Qu.	3rd Qu.	4th Qu.	Year	1st Qu.	2nd Qu.	3rd Qu.
Chemicals	\$176	\$191	\$215	\$199	\$781	\$174	\$183	\$210
Plastics	97	101	95	95	388	93	96	92
Industrial Gases	103	109	105	107	424	102	102	98
Metals	80	88	78	62	308	71	71	66
Carbons	75	78	81	89	323	81	84	79
Total	\$531	\$567	\$574	\$552	\$2,224	\$521	\$536	\$545

regional vice-president in Puerto Rico, will be chairman of the board of Union Carbide Food Products Incorporated.

"The continuing stable and favorable investment climate in Puerto Rico was a decisive factor in our decision to build the plant," Hulten said. He estimated that the facility will have an annual payroll of about \$1.5 million.

Union Carbide Caribe Inc., another subsidiary of Union Carbide, began petrochemical operations on the Island in 1959. Caribe's was the Island's first

petrochemical facility, and paved the way for a number of other companies. The company has invested more than \$75 million since then and currently produces 400,000,000 pounds of industrial chemicals a year at its Penuelas facilities.

Barceloneta is on the north coast of the Island, about 15 miles east of Arecibo. The Penuelas facility is on the south shore, near Ponce.

Security must be a daily concern in our lives.



**IN EXCESS OF 23 YEARS OF COMPANY SERVICE BROUGHT** Bert A. Clark, right, a handsome plaque in honor of his retirement November 1. The presentation was made the latter part of October by R. P. Putman, left. Clark retires to his Oak Ridge home, 117 Taylor Road.